

January 7, 1998

Delivered Via Facsimile and Certified Mail
Return Receipt Requested

Ms. Diane Spencer, Project Coordinator
U.S. Environmental Protection Agency, Region 5
Office of Superfund, Remedial & Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

EPA Region 5 Records Ctr.



379521

Subject: Granville Solvents Site Removal Action Quarterly Report - January 1998

Dear Ms. Spencer:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy, Inc. submits the fourth Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA
Mr. Mike Anastasio, U.S. EPA
Mr. Fred Myers, Ohio EPA
Mr. Joe Hickman, Village of Granville Manager (Acting)

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890- 5501.

Respectfully,

METCALF & EDDY, INC.

Gerald R. Myers *for*
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group
M. Raimonde, M&E

GRANVILLE SOLVENTS SITE REMOVAL ACTION QUARTERLY REPORT

JANUARY 1998

Pursuant to the requirement set forth in the Administrative Order on Consent (AOC, September 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group in Section 2.5 - Reporting and the letter dated November 14, 1996 from Ms. Diane Spencer (U.S. EPA), this report constitutes the fourth Quarterly written progress report concerning actions undertaken pursuant to the AOC.

I. PROGRESS MADE DURING REPORTING PERIOD

Source Area Groundwater Control

The groundwater pumping and treatment system operated for a total of 720 hours in October, 744 hours in November, and 696 hours in December, for a total of 2,160 hours (96.8 % of the total time available) during the fourth quarter of 1997. The treatment system processed approximately 9.94 million gallons of water in October, 10.27 million gallons of water in November, and 9.3 million gallons of water in December for a total of 29.5 million gallons of water. Since operation began, the system has processed more than 409 million gallons of water. Scheduled monthly maintenance was performed on the treatment system to ensure peak operation. This maintenance included: replacement of the bag filters, lubrication of the motors, and checking the control panel and level sensors. On October 15, 1997 the system was acid-washed to remove iron oxide build-up and increase the VOC removal efficiency.

From December 9, 1997 through December 16, 1997, the pump in Extraction Well EW-1 was intermittently offline to replace the pump motor, repair pump connections, and troubleshoot minor operational controls. The interruption to operations was caused by electrical problems in the wiring running from the treatment building to EW-1, resulting in an interruption of the operation of the pump motor. The Village of Granville was immediately notified of the interruption. The repairs were completed on December 16, 1997, and the treatment system has been fully operational since this time. EW-2 remained fully operational, maintaining hydraulic control of the plume during the repair of EW-1.

Water samples were collected from the system's influent and effluent sampling ports on October 21, 1997, November 19, 1997 and December 18, 1997. The analytical results are presented in Table 1.

TABLE 1

VOCs	Influent October	Effluent October	Influent November	Effluent November	Influent December	Effluent December
1,1,1-trichloroethane	12.6 µg/l	ND	21.4 µg/l	ND	19.4 µg/l	ND
cis-1,2-dichloroethene	3.9 µg/l	ND	5.0 µg/l	ND	3.7 µg/l	ND
tetrachloroethene	16 µg/l	0.26 µg/l	32.0 µg/l	ND	25.1 µg/l	ND
trichloroethene	21.5 µg/l	0.49 µg/l	33.5 µg/l	ND	28.0 µg/l	ND

Extraction wells GSS-EW1 and GSS-EW2 are currently operating at an average of approximately 150 gallons per minute (gpm) and 90 gpm, respectively for the fourth quarter of 1997. The total pumping rate has averaged 240 gpm for the fourth quarter of 1997.

The results of the sample analyses above represent typical influent and effluent concentrations at GSS, and it has been recorded that approximately 29.5 million gallons of water were processed. Based on these data, approximately 0.20 lbs/day of VOCs were discharged to the atmosphere during this reporting period.

Groundwater Monitoring Plan

Groundwater level measurements were collected on October 21, 1997, November 19, 1997, and December 18, 1997 as specified in the Groundwater Monitoring Plan and will be used to develop the potentiometric surface map. The semi-annual sampling event for VOCs was conducted on December 11, 1997 and December 12, 1997.

Source Area Soils

The GSS PRP Group submitted the Engineering Evaluation/Cost Analysis (EE/CA) on April 11, 1997 and met with U.S. EPA and Ohio EPA on May 19, 1997 to discuss the EE/CA document. Based upon the results of this meeting, the Streamlined Risk Evaluation (Section 2.5) was revised and submitted to the agencies on May 30, 1997.

Active or Completed Tasks

The following specific tasks were completed during the reporting period:

Collected water samples on October 21, 1997, November 19, 1997, and December 18, 1997 from the treatment system influent and effluent sampling ports.

- Collected water level measurements on October 21, 1997, November 19, 1997, and December 18, 1997.
- Acid washed the air stripper on October 15, 1997.
- Completed, revised, and submitted EE/CA per Agency verbal comments.

DELIVERABLES (THIS PERIOD AND NEXT PERIOD)

CURRENT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	January 7, 1998	January 7, 1998
US EPA Comments on EE/CA	June 15, 1997	

NEXT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
First Quarterly Report (1998)	April 7, 1998	

III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD

The automatic notification system advised M&E on December 9, 1997, that the pump motor operation and electrical connection in EW-1 were interrupted on December 9, 1997. The Village of Granville Manager was immediately notified of the interruption. Repairs were undertaken between December 9, 1997 and December 16, 1997, which included the replacement of the pump motor and electrical connections. Operation has been uninterrupted since that time.

The PRP Group previously requested that the U.S. EPA acknowledge approval of the completion of the AOC Task for the reinstatement of the capacity of PW-1. The EPA has not yet responded on this matter.

IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

During the next reporting period, the following tasks are scheduled to be performed:

- Acid wash the air stripper.
- Collect potentiometric surface data.
- Sample treatment system influent and effluent water.
- Scheduled maintenance of the treatment system.
- Submitting a revised EE/CA.
- Schedule a conference with U.S. EPA.